

ABSTRACT OF DISCLOSURE

A memory management apparatus and method for protecting an image tearing in the video system. The memory management apparatus includes a scaler that converts the format of input image data into a suitable format to fit the resolution of a display, a first memory, in which the format-converted image data is written, or from which the format-converted image data is read, and a second memory which is substituted for the first memory, so that addresses for reading or writing do not overlap addresses for writing or reading, respectively, due to a difference between a data reading rate and a data writing rate.